

# HISTORIC AMERICAN ENGINEERING RECORD

## INDEX TO PHOTOGRAPHS

HAER No. CA-219

Southern Pacific Railroad Natron Cutoff, Tunnel 18  
Milepost 410  
Dorris vicinity  
Siskiyou County  
California

For written information regarding Tunnel 18, please refer to Southern Pacific Railroad Natron Cutoff (HAER No. CA-217). Note also that all references to tunnel portals are given in Southern Pacific Railroad terminology. Headquartered in San Francisco, the SP considered all trains heading *away* from San Francisco to be eastbound, all trains heading *toward* San Francisco to be westbound, regardless of actual cardinal direction. Thus a train heading north from Los Angeles to Portland would be westbound until it passed San Francisco, at which time it would become eastbound. Similarly, the railroad referred to all tunnels and other structures along its lines in the same fashion, with tunnels always having west and east portals. Direction of view in the captions will indicate cardinal direction.

Documentation: 7 photographs (1997)

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### PHOTOGRAPHS

CA-219-1 West portal of Tunnel 18, contextual view to northeast, 210mm lens.

CA-219-2 West portal of Tunnel 18, oblique view to north-northeast, 135mm lens. Note the use of concrete face and wingwalls, with dressed stone voussoirs, wingwall coping, parapet with stone belt course and coping, and coursed stone masonry slope protection flanking the portal.

CA-219-3 East portal of Tunnel 18, view to west-southwest from milepost 410.5, 210mm lens. The single-lens searchlight-type block signals are Southern Pacific Common Standard signals, a type in use since the 1920s. Many of these have been replaced system-wide as a result of various mergers since the 1980s.

CA-219-4 East portal of Tunnel 18, contextual view to west-southwest, 135mm lens.

CA-219-5 East portal of Tunnel 18, view to west-southwest, 135mm lens. The train exiting the tunnel, though northbound toward Portland, is considered an eastbound train on the Southern Pacific (see explanation above).

CA-219-6 East portal of Tunnel 18, view to west-southwest, 90mm lens.

CA-219-7 Detail, beaded mortar joint, stepped wingwall coping at the east portal of Tunnel 18, 135mm lens with electronic flash fill.

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